SIEMENS

Siemens Water Technologies Corp.

LAND DISPOSAL RESTRICTION NOTIFICATION FORM

Pursuant to CCR Title 22, Section 66268.7(40 CFR 268.7(a), I hereby notify that this waste shipment contains one or more of the following wastes restricted under the land disposal restrictions for which applicable treatment standards are set forth in CCR Title 22, Section 66268.40 (40 CFR 268.40)

Manifest Number: 002088733 **Generator Name:** ELECTRONIC CHROME & GRINDING **EPA#** CAD008391427

RCRA HAZARDOUS WASTE INFORMATION

U.S.F. PROFILE NUMBER/ MANIFEST LINE ITEM NUMBER	List all D, F, K, U & P Codes	Subcategory (IF ANY)	WASTEWATER*/ NONWASTEWATER WW	NWW	California List ** Per CCR Title 22, Section 66268.32	Hazardous Debris Subject To CCR Title 22, Sec 66268.45
9b1)	D007, F006		☐	X	X For: Chromium	☐
9b2)			☐	☐	☐ For	☐
9b3)			☐	☐	☐ For	☐
9b4)			☐	☐	☐ For:	☐

ADDITIONAL INFORMATION FOR D001, D002, D012-43, F001-5 & F039 WASTE STREAMS: (check one)

☐ There are no underlying hazardous constituents (UHCs) present

X There are underlying hazardous constituents (UHCs) present which do not meet treatment standards per CCR Title 22, Section 66268.48
(Use the attached UTS Table and check the appropriate constituent(s) present in the waste stream)

DETERMINATION BASED UPON : (check one)

Knowledge of the process generating the waste and the raw materials used and the reaction products

☐ Results from analytical testing Analytical results attached ☐ YES X NO

TERM DEFINITIONS:

* ***WASTEWATER*** = per CCR Title 22, Section 66260.10, WASTE THAT CONTAINS LESS THAN 1% BY WEIGHT TOTAL TOXIC ORGANICS (TOCs) AND 1% BY WEIGHT TOTAL SUSPENDED SOLIDS (TSS).

* ***CALIFORNIA LIST*** = THE FOLLOWING HAZARDOUS WASTES ARE PROHIBITED FROM LAND DISPOSAL: per CCR Title 22, Section 66268.32

- Liquid hazardous waste with a pH less than or equal to 2.0
- Liquid hazardous waste containing PCB's at concentration of greater than or equal to 50 ppm
- Liquid hazardous waste, including free liquids associated with any solids/sludge, containing free cyanide at concentrations greater than or equal to 1,000 mg/L
- Liquid hazardous waste, including free liquids associated with any solids/sludge, containing metals at concentrations greater than or equal to the following:

ARSENIC	500 mg/L	MERCURY	20 mg/L
CADMIUM	100 mg/L	NICKEL	134 mg/L
CHROMIUM	500 mg/L	SELENIUM	100 mg/L
LEAD	500 mg/L	THALLIUM	130 mg/L

- Liquid hazardous waste, that contains HOC's in total concentration greater than or equal to 1,000 mg/L
- Non-liquid RCRA hazardous waste containing HOC's in total concentration greater than or equal to 1,000 mg/L

CERTIFICATION

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification. I believe that the information I have submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment

ELECTRONIC CHROME & GRINDING

GENERATOR NAME

AUTHORIZED SIGNATURE

5-23-07

DATE

40 CFR 268.48 TABLE UTS – UNIVERSAL TREATMENT STANDARDS *(Continued)*

Regulated constituent – common name	CAS[1] NO.	Wastewater standard concentration in mg/l	Non-wastewater standard concentration in mg/kg unless noted as "mg/l TCLP"
☐ Acenaphthylene	208-96-8	0.059	3.4
☐ Acenaphthene	83-32-9	0.059	3.4
☐ Acetone	67-64-1	0.28	160
☐ Acetonitrile	75-05-8	5.6	1.8
☐ Acetophenone	98-86-2	0.010	9.7
☐ 2-Acetylaminofluorene	53-96-3	0.059	140
☐ Acrolein	107-02-8	0.29	NA
☐ Acrylamide	79-06-1	19	23
☐ Acrylonitrile	107-13-1	0.24	84
☐ Aldrin	309-00-2	0.021	0.066
☐ 4-Aminobiphenyl	92-67-1	0.13	NA
☐ Aniline	62-53-3	0.81	14
☐ Anthracene	120-12-7	0.059	3.4
☐ Aramite	140-57-8	0.36	NA
☐ alpha-BHC	319-84-6	0.00014	0.066
☐ beta-BHC	319-85-7	0.00014	0.066
☐ delta-BHC	319-86-8	0.023	0.066
☐ gamma-BHC	58-89-9	0.0017	0.066
☐ Benz(a)anthracene	56-55-3	0.059	3.4
☐ Benzal chloride	98-87-3	0.055	6.0
☐ Benzene	71-43-2	0.14	10
☐ Benzo(a)pyrene	50-32-8	0.061	3.4
☐ Benzo(b)fluoranthene	205-99-2	0.11	6.8
☐ Benzo(g,h,i)perylene	191-24-2	0.0055	1.8
☐ Benzo(k)fluoranthene	207-08-9	0.11	6.8
☐ bis-(2-Chloroethoxy) methane	111-91-1	0.036	7.2
☐ bis-(2-Chloroethyl) ether	111-44-4	0.033	6.0
☐ bis-(Chloroisopropyl) ether	108-60-1	0.055	7.2
☐ bis-(Ethylhexyl) phthalate	117-81-7	0.28	28
☐ Bromodichloromethane	75-27-4	0.35	15
☐ Bromomethane (methyl bromide)	74-83-9	0.11	15
☐ 4-Bromophenyl phenyl ether	101-55-3	0.055	15
☐ n-Butyl alcohol	71-36-3	5.6	2.6
☐ Butyl benzyl phthalate	85-68-7	0.017	28
☐ 2-sec-Butyl-4,6-dinitrophenol dinoseb	88-85-7	0.066	2.5
☐ Carbon disulfide	75-15-0	3.8	4.8 TCLP
☐ Carbon tetrachloride	56-23-5	0.057	6.0
☐ Chlordane (alpha & gamma isomers)	57-74-9	0.0033	0.26
☐ p-Chloroaniline	106-47-8	0.46	16
☐ Chlorobenzene	108-90-7	0.057	6.0
☐ Chlorobenzilate	510-15-6	0.10	NA
☐ 2-Chloro-1,3-butadiene	126-99-8	0.057	0.28
☐ Chlorodibromomethane	124-48-1	0.057	15
☐ Chloroethane	75-00-3	0.27	6.0
☐ Chloroform	67-66-3	0.046	6.0
☐ p-Chloro-m-cresol	59-50-7	0.018	14
☐ 2-Chloroethyl vinyl ether	110-75-8	0.062	NA
☐ Chloromethane (methyl chloride)	74-87-3	0.19	30
☐ 2-Chloronaphthalene	91-58-7	0.055	5.6
☐ 2-Chlorophenol	95-57-8	0.044	5.7
☐ 3-Chloropropylene	107-05-1	0.036	30
☐ Chrysene	218-01-9	0.059	3.4
☐ o-Cresol	108-44-5	0.77	5.6
☐ m-Cresol	108-39-4	0.77	5.6
☐ p-Cresol	95-48-7	0.11	5.6
☐ Cyclohexanone	108-94-1	0.36	0.75 TCLP
☐ 2-4-Dichlorophenoxyacetic acid (2,4-D)	94-75-7	0.72	10
☐ o,p'-DDD	53-19-0	0.023	0.087
☐ p,p'-DDD	72-54-8	0.023	0.087
☐ o,p'-DDE	3424-82-6	0.031	0.087
☐ p,p'-DDE	72-55-9	0.031	0.087
☐ o,p'-DDT	789-02-6	0.0039	0.087
☐ p,p'-DDT	50-29-3	0.0039	0.087
☐ Dibenzo(a,e)pyrene	192-65-4	0.061	NA
☐ Dibenzo(a,h)anthracene	53-70-3	0.055	8.2
☐ Tris-(2,3-Dibromopropyl) phosphate	126-72-7	0.11	0.10
☐ 1,2-Dibromo-3-Chloropropane	96-12-8	0.11	15
☐ 1,2-Dibromoethane (ethylene dibromide)	106-93-4	0.028	15
☐ Dibromomethane	74-95-3	0.11	15
☐ m-Dichlorobenzene	541-73-1	0.036	6
☐ o-Dichlorobenzene	95-50-1	0.088	6
☐ p-Dichlorobenzene	106-46-7	0.090	6
☐ Dichlorodifluoromethane	75-71-8	0.23	7.2
☐ 1,1-Dichloroethane	75-34-3	0.059	6
☐ 1,2-Dichloroethane	107-06-2	0.21	6
☐ 1,1-Dichloroethylene	75-34-4	0.025	6
☐ trans-1,2-Dichloroethylene	156-60-5	0.054	30
☐ 2,4-Dichlorophenol	120-83-2	0.044	14
☐ 2,6-Dichlorophenol	87-65-0	0.044	14
☐ 1,2-Dichloropropane	78-87-5	0.85	18
☐ cis-1,3-Dichloropropylene	10061-01-5	0.036	18
☐ trans-1,3-Dichloropropylene	10061-02-6	0.036	18
☐ Dieldrin	60-57-1	0.017	0.13
☐ Diethyl phthalate	84-66-2	0.20	28
☐ p-Dimethylaminoazobenzene	60-11-7	0.13	NA
☐ 2,4-Dimethyl phenol	105-67-9	0.036	14
☐ Dimethyl phthalate	131-11-3	0.047	28
☐ Di-n-butyl phthalate	84-74-2	0.057	28
☐ 1,4-Dinitrobenzene	100-25-4	0.32	2.3
☐ 4,6-Dinitro-o-cresol	534-52-1	0.28	160
☐ 2,4-Dinitrophenol	51-28-5	0.12	160
☐ 2,4-Dinitrotoluene	121-14-2	0.32	140
☐ 2,6-Dinitrotoluene	606-20-2	0.55	28
☐ Di-n-octyl phthalate	117-84-0	0.017	28
☐ Di-n-propylnitrosamine	621-64-7	0.40	14
☐ Diphenylamine	122-39-4	0.92	13
☐ 1,2-Diphenylhydrazine	122-66-7	0.087	NA
☐ Diphenylnitrosamine	86-30-6	0.92	13
☐ 1,4-Dioxane	123-91-1	NA	170
☐ p-Dimethylaminoazobenzene	60-11-7	0.13	NA
☐ Disulfoton	298-04-4	0.017	6.2
☐ Endosulfan I	939-98-8	0.023	0.066
☐ Endosulfan II	33213-6-5	0.029	0.13
☐ Endosulfan sulfate	1-31-07-8	0.029	0.13
☐ Endrin	72-20-8	0.0028	0.13
☐ Endrin aldehyde	7421-93-4	0.025	0.13
☐ Ethyl acetate	141-78-6	0.34	33
☐ Ethyl benzene	100-41-4	0.057	10
☐ Ethyl ether	60-29-7	0.12	160
☐ Ethyl methacrylate	97-63-2	0.14	160
☐ Ethylene oxide	75-21-8	0.12	NA
☐ Famphur	52-85-7	0.017	15
☐ Fluoranthene	206-44-0	0.068	3.4
☐ Fluorene	86-73-7	0.059	3.4
☐ Heptachlor	76-44-8	0.0012	0.066
☐ Heptachlor epoxide	1024-57-3	0.016	0.066
☐ Hexachlorobenzene	118-74-1	0.055	10
☐ Hexachlorobutadiene	87-68-3	0.055	5.6
☐ Hexachlorodibenzo-furans	NA	0.000063	0.001
☐ Hexachlorodibenzo-p-dioxins	NA	0.000063	0.001
☐ Hexachlorocyclopentadiene	77-47-4	0.057	2.4
☐ Hexachloroethane	67-72-1	0.055	30
☐ Hexachloropropylene	1888-71-7	0.035	30
☐ Indeno (1,2,3-c,d)pyrene	193-39-5	0.0055	3.4
☐ Iodomethane	74-88-4	0.19	65
☐ Isobutyl alcohol	78-83-1	5.6	170
☐ Isodrin	465-73-6	0.021	0.066
☐ Isosafrole	120-58-1	0.081	2.6
☐ Kepone	143-50-8	0.0011	0.13
☐ Methacrylonitrile	126-98-7	0.24	84
☐ Methanol	67-56-1	5.6	0.75 TCLP
☐ Methapyrilene	91-80-5	0.081	1.5
☐ Methoxychlor	72-43-5	0.25	0.18
☐ 3-Methylcholanthrene	56-49-5	0.0055	15
☐ 4,4-Methylene-bis-(2-chloroaniline)	101-14-4	0.50	30
☐ Methylene chloride	75-09-2	0.089	30
☐ Methyl ethyl ketone	78-93-3	0.28	36
☐ Methyl isobutyl ketone	108-10-1	0.14	33
☐ Methyl methacrylate	80-62-6	0.14	160
☐ Methyl methansulfonate	66-27-3	0.018	NA
☐ Methyl Parathion	298-00-0	0.014	4.6
☐ Naphthalene	91-20-3	0.059	5.6
☐ 2-Naphthylamine	91-59-8	0.52	NA
☐ p-Nitroaniline	100-01-6	0.028	28
☐ p-Nitroaniline	88-74-4	0.27	14
☐ Nitrobenzene	98-95-3	0.068	14
☐ 5-Nitro-o-toluidine	99-55-8	0.32	28
☐ o-Nitrophenol	88-75-5	0.28	13
☐ p-Nitrophenol	100-02-7	0.12	29
☐ N-Nitrosodiethylamine	55-18-5	0.40	28
☐ N-Nitrosodimethylamine	62-75-9	0.40	2.3
☐ N-Nitroso-di-n-butylamine	924-16-3	0.40	17
☐ N-Nitrosomethylethylamine	10595-95-6	0.40	2.3
☐ N-Nitrosomorpholine	59-89-2	0.40	2.3
☐ N-Nitrosopiperidine	100-75-4	0.013	35
☐ N-Nitrosopyrrolidine	930-55-2	0.013	35
☐ Parathion	56-38-2	0.014	4.6
☐ Pentachlorobenzene	608-93-5	0.055	10
☐ Pentachlorodibenzo-furans	NA	0.000035	0.001
☐ Pentachlorodibenzo-p-dioxins	NA	0.000063	0.001
☐ Pentachloroethane	76-01-7	0.055	6
☐ Pentachloronitrobenzene	82-68-8	0.055	4.8
☐ Pentachlorophenol	87-86-5	0.089	7.4
☐ Phenacetin	62-44-2	0.081	16
☐ Phenanthrene	85-01-8	0.059	5.6
☐ Phenol	108-95-2	0.039	6.2
☐ Phorate	298-02-2	0.021	4.6
☐ Phthalic acid	100-21-0	0.055	28
☐ Phthalic anhydride	85-44-9	0.055	28
☐ Pronamide	23950-58-5	0.093	1.5
☐ Propanenitrile (Ethyl cyanide)	107-12-0	0.24	360
☐ Pyrene	129-00-0	0.067	8.2
☐ Pyridine	110-86-1	0.014	16
☐ Safrole	94-59-7	0.081	22
☐ Silvex (2,4,5-TP)	93-72-1	0.72	7.9
☐ 2,4,5-T	93-76-5	0.72	7.9
☐ 1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14
☐ Tetrachlorodibenzo-furans	NA	0.000063	0.001
☐ Tetrachlorodibenzo-p-dioxins	NA	0.000063	0.001
☐ 1,1,1,2-Tetrachloroethane	630-20-6	0.057	6.0
☐ 1,1,2,2-Tetrachloroethane	79-34-5	0.057	6.0
☐ Tetrachloroethylene	127-18-4	0.056	6.0
☐ 2,3,4,6-Tetrachlorophenol	58-90-2	0.030	7.4
☐ Toluene	108-88-3	0.080	10
☐ Toxaphene	8001-35-2	0.0095	2.6
☐ Tribromomethane (bromoform	75-25-2	0.63	15
☐ 1,2,4-Trichlorobenzene	120-82-1	0.055	19
☐ 1,1,1-Trichloroethane	71-55-6	0.054	6.0
☐ 1,1,2-Trichloroethane	79-00-5	0.054	6.0
☐ Trichloroethylene	79-01-6	0.054	6.0
☐ Trichloromonofluoromethane	75-69-4	0.020	30
☐ 2,4,5-Trichlorophenol	95-95-4	0.18	7.4
☐ 2,4,6-Trichlorophenol	88-06-2	0.035	7.4
☐ 1,2,3-Trichloropropane	96-18-4	0.85	30
☐ 1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.057	30
☐ Vinyl chloride	75-01-4	0.27	6.0
☐ Xylenes (total)	1330-20-7	0.32	30
☐ Total PCBs	1336-36-3	0.1	10
☐ Antimony	7440-36-0	1.9	0.07 TCLP
☐ Arsenic	7440-38-2	1.4	5.0 TCLP
☐ Barium	7440-39-3	1.2	21 TCLP
☐ Beryllium	7440-41-7	0.82	0.02 TCLP
☐ Cadmium	7440-43-9	0.69	0.2 TCLP
☐ Chromium (total)	7440-47-3	2.77	0.85 TCLP
☐ Cyanide (total)	57-12-5	1.2	590[4]
☐ Cyanide (amenable)	57-12-5	0.86	30[4]
☐ Fluoride	16984-48-8	35	NA
☐ Lead	7439-92-1	0.69	0.75 TCLP
☐ Mercury – NWW from Retort	7439-97-6	0.15	0.20 TCLP
☐ Mercury – all others	7439-97-6	0.15	0.025 TCLP
☐ Nickel	7440-02-0	3.98	11.6 TCLP
☐ Selenium[5]	7782-49-2	0.82	5.7 TCLP
☐ Silver	7440-22-4	0.43	0.11 TCLP
☐ Sulfide	8496-25-8	14.0	NA
☐ Thallium	7440-28-0	1.4	0.20 TCLP
☐ Vanadium[5]	7440-62-2	4.3	1.6 TCLP
☐ Zinc[5]	7440-66-6	2.61	4.3 TCLP

40 CFR 268.48 TABLE UTS – UNIVERSAL TREATMENT STANDARDS *(Continued)*

[1]CAS means Chemical Abstract Services. When the waste code and/or regulated constituents are described as a combination of a chemical with its salts and/or esters, the CAS number is given for the parent compound only.

[2]Concentration standards for wastewaters are expressed in mg/l are based on analysis of composite samples.

[3]Except for Cyanides (Total and Amenable) the non-wastewater treatment standards expressed as a concentration were established, in part, based upon incineration in units operated in accordance with the technical requirements of 40 CFR part 264, subpart O or 40 CFR part 265, subpart O, or based upon combustion in fuel substitution units operating in accordance with applicable technical requirements. A facility may comply with these treatments standards according to provisions in 40 CFR 268.40(d). All concentration standards for nonwastewaters are based on analysis of grab samples.

[4]Both Cyanides (Total) and Cyanides (Amenable) for non-wastewaters are to be analyzed using Method 9010 or 9012, found in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA Publication SW-846, as incorporated by reference in 40 CFR 260.11, with a sample size of 10 grams and a distillation time of one hour and 15 minutes.

[5]These constituents are not "underlying hazardous constituents" in characteristic wastes, according to the definition at §268.2 (i).

[6]Between August 26, 1996, and August 26, 1997, these constituents are not "underlying hazardous constituents" as defined at §268.2 (i) of this Part.

Note: NA means not applicable.

Please complete as applicable:

Wastes with organic constituents having treatment standards expressed as concentration levels based in whole or in part on the analytical detection limit alternative specified in §268.40(d).

☐ I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the non-wastewater organic constituents have been treated by combustion units as specified in 268.42. Table 1. I have been unable to detect the non-wastewater organic constituents, despite having used best good-faith efforts to analyze for such constituents. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

Wastes with treatment standards expressed as concentrations in the waste extract Toxicity Characteristic Leaching Procedure (TCLP).

☐ I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards specified in 40 CFR 268.40 without impermissible dilution of the prohibited waste. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

☐ **Alternative Treatment Standard Lab Pack**

Manifest Line No. | | | | | |

☐ I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes that have not been excluded under Appendix IV to 40 CFR Part 268 and that this lab pack will be sent to a combustion facility in compliance with the alternative treatment standards for lab packs at 40 CFR 268.42(c). I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment.

☐ I hereby certify under penalty of law that there are no PCBs (polychlorinated biphenyls) contained in the oil waste being manifested to Pacific Resource Recovery. I also understand that a sample of the load will be retained and that the generator will be responsible for the clean-up of contaminated equipment, tanks, etc. if PCBs are present in the waste.

Benzene NESHAP Control Requirement:
For Chemical Manufacturers, Petroleum Refineries, Coke By-Product Facilities and RCRA TSDFs handling wastes subject to 40 CFR 61 subpart FF ONLY:

☐ This waste is a "Controlled Benzene Waste" which is subject to the notification requirements of 40 CFR 61 Subpart FF.

Manifest Line No. | | | | | |

California List Wastes:

☐ Liquid hazardous wastes having a pH less than or equal to 2.0
☐ Liquid hazardous wastes containing PCBs at a concentration greater than or equal to 50 ppm
☐ Liquid hazardous wastes that contain HOCs in total concentration greater than or equal to 1000 mg/l
☐ Nonliquid hazardous wastes containing HOCs in total concentration greater than or equal to 1000 mg/kg
☐ Free (amenable to chlorination) cyanides greater than or equal to 1000 mg/l
☐ One or more of the following metals greater than or equal to the following:

Arsenic and/or compounds: 500 mg/l
Cadmium and/or compounds: 100 mg/l
Chromium and/or compounds: 500 mg/l
Lead and/or compounds: 500 mg/l
Mercury and/or compounds: 20 mg/l
Nickel and/or compounds: 134 mg/l
Selenium and/or compounds: 100 mg/l
Thallium and/or compounds: 130 mg/l

ADDITIONAL RESTRICTED WASTE IDENTIFICATION/ TREATMENT STANDARDS AND CERTIFICATION FORM

SECTION III

Complete Section III if the restricted wastes (i.e., EPA Hazardous Waste Code) as listed in Section I do not meet the applicable treatment standards in 40 CFR 268.40 (Treatment Standards for Hazardous Wastes) and have not been identified as required in Section II.

EPA Hazardous Waste Code	*Subcategory (if applicable)*	*Appropriate Treatment Standard*	*Alternative Treatment Technology (Debris)*
D007			
F006			

SECTION IV

I hereby certify that all information submitted in this and all associated documents is complete and accurate to the best of my knowledge and information.

Company Name: ELECTRONIC CHROME & GRINDING

Authorized Signature: _____

Printed Name: _____

Date: 5-23-07